

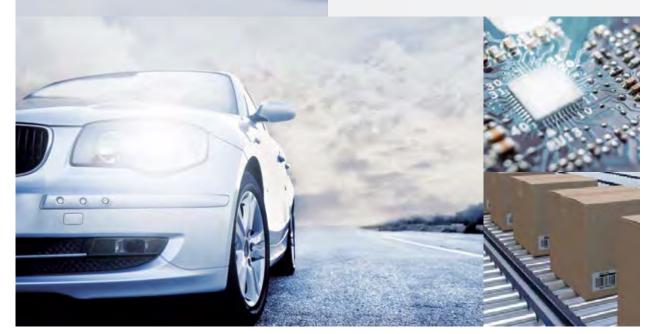
### SOLUTIONS FOR INDUSTRIAL AUTOMATION







# A STORY OF PASSION, TECHNOLOGY AND EXPERTISE





# 50 years of service to our clients



Founded in 1964, Camozzi Automation embarked on an evolutionary journey that in a few years led the company to become a leading industrial solution provider in the automation field. Continuous investments have enabled the company to build and consolidate its international presence and broaden its product offering that today comprises solutions for industrial automation, components and systems to control liquid and gaseous fluids and applications dedicated to the transportation industry.

<u>77</u> 8	INDUSTRY
Ø	FLUID CONTROL
	MOBILE AUTOMATION

4





### CAMOZZI GROUP

A winning team, made up of people and cutting edge production technologies and management processes

Providing complete solutions to its clients, working as true partners, sharing needs, targets and results are distinguishing features of each Camozzi Group company. The Camozzi Group, led by Camozzi Automation, is comprised of eleven companies, organized into five operating divisions that share managerial methods and infrastructures. This centralized structure and its united Governance provides comprehensive support services that enable each company to concentrate its focus on enhancing its distinctive skills.



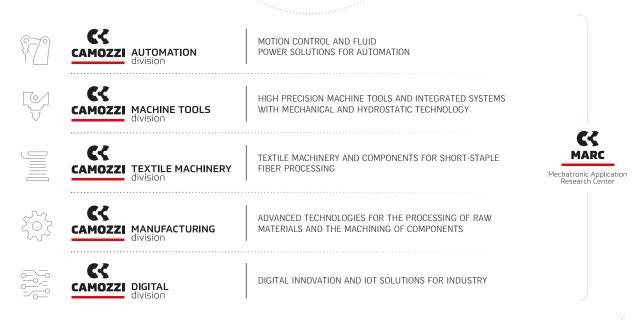
Camozzi Group divisions

- ➢ AUTOMATION
   ➢ MACHINE TOOLS
  - TEXTILE MACHINERY
- ्रें > MANUFACTURING
- 🖹 🕨 DIGITAL





### 5 DIVISIONS:





### CAMOZZI INNOVATION SYSTEM

Research and Technology Innovation: the DNA of each Camozzi Group company

The Camozzi Automation Value Proposition has evolved over time through the experience of integrating industry leading competencies with the latest and most advanced technologies. The initiatives that drive the advancement of innovative solutions are guided by research into new products and the development of processes and activities necessary to bring them to market. These combined concepts define the Camozzi Innovation System (CIS) through the digitization of production processes and the interconnection of components, which frequently integrate mechanical, electronic and digital features, and represents one of the main goals of the entire Comozzi Group.



### **INNOVATION DRIVERS**

DIGITIZATION OF CORPORATE PROCESSES

릴문

퀴두

INTEGRATION OF ELEMENTS FOR THE REMOTE MANAGEMENT AND CONTROL OF PRODUCTION PROCESSES IN VIEW OF INDUSTRY 4.0

DEVELOPMENT OF SOLUTIONS WHILE OPTIMIZING THE TOTAL COST OF OWNERSHIP

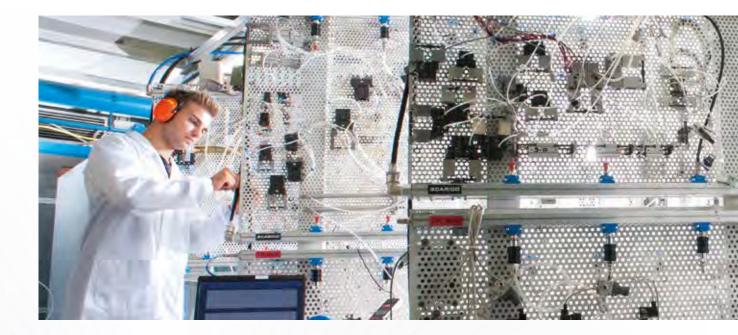
ENERGY EFFICIENCY

INTERCONNECTION OF COMPONENTS

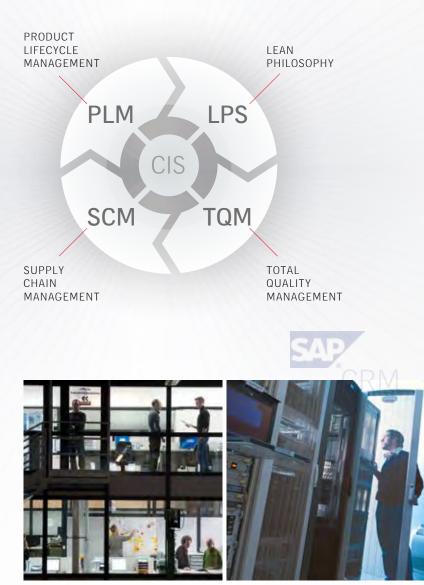
CONTINUOUS MANAGEMENT OF PRODUCT FEEDBACK DATA



#### 6



### INTEGRATED PROCESS MANAGEMENT



### LEAN PHILOSOPHY

LEAN ORGANIZATION TO GUARANTEE MAXIMUM FLEXIBILITY AND EFFICIENCY

### TOTAL QUALITY MANAGEMENT

CONSTANT CONTROL OF PRODUCTS AND PROCESSES IN EVERY PHASE OF THE PRODUCTION CYCLE

### SUPPLY CHAIN MANAGEMENT

INTEGRATED MANAGEMENT OF THE SUPPLY CHAIN AND OF THE ENTIRE DISTRIBUTION NETWORK

### PRODUCT LIFECYCLE MANAGEMENT

PRODUCT MANAGEMENT CONSIDERING THE TOTAL COST OF OWNERSHIP ALONG ITS ENTIRE LIFE CYCLE



# INTERNATIONAL PARTNER Alongside our clients, always

Camozzi is side by side in supporting our clients, always and everywhere in the world. The conviction that a true partnership cannot exist without being close to the client led Camozzi Automation to create a global business network that is capable of assuring an extensive worldwide presence through production sites, subsidiaries and exclusive distributors. It is this well-established global business network that is able to respond quickly, in accordance with a common strategy, that guarantees Camozzi's consistent high quality of service.









## WE ARE WHERE YOU ARE



ITALY CAMOZZI AUTOMATION SPA

ARGENTINA CAMOZZI NEUMATICA S.A.

AUSTRIA CAMOZZI AUTOMATION GMBH

BELARUS CAMOZZI PNEUMATIC

**BRAZIL** CAMOZZI DO BRASIL LTDA.

### CHINA

SHANGHAI CAMOZZI PNEUMATIC CONTROL COMPONENTS CO, LTD. SHANGHAI CAMOZZI AUTOMATION CONTROL CO, LTD.

CZECH REPUBLIC CAMOZZI S.R.O.

DENMARK CAMOZZI APS

ESTONIA CAMOZZI AUTOMATION OÜ

FRANCE CAMOZZI PNEUMATIQUE SARL

GERMANY CAMOZZI AUTOMATION GMBH

INDIA CAMOZZI INDIA PRIVATE LIMITED

KAZAKHSTAN CAMOZZI PNEUMATIC KAZAKHSTAN LLP

MALAYSIA CAMOZZI MALAYSIA SDN. BHD.

MÉXICO CAMOZZI NEUMATICA DE MEXICO S.A. DE C.V.

NORWAY CAMOZZI AS

SPAIN CAMOZZI IBERICA SL

**SWEDEN** CAMOZZI PNEUMATIK AB

THE NETHERLANDS CAMOZZI AUTOMATION B.V.

RUSSIAN FEDERATION CAMOZZI PNEUMATIC LLC

UKRAINE LLC CAMOZZI

UNITED KINGDOM CAMOZZI AUTOMATION LTD.

USA CAMOZZI AUTOMATION, INC.

VENEZUELA CAMOZZI VENEZUELA S.A.

VIETNAM CAMOZZI R.O. IN HOCHIMINH CITY

24 SUBSIDIARIES AND

SERVICE CENTERS

54

EXCLUSIVE

DISTRIBUTORS

PRODUCTION

6

SITES

1700 Employees



# Application solutions for the most demanding sectors

At Camozzi, we are well aware that each application in the automation sector comes with unique, specific requirements. In order to satisfy our wide-range of clients, we are constantly investing to enlarge our product offering and develop specific skills pertaining to various industrial fields. It is a process of innovation with defined drivers, implemented on the basis of a constant cooperation between research, training, and development, both from an organizational and a technological point of view. Thanks to Camozzi's industry experts, our Business Development Managers, we interact with our clients every day in order to understand and satisfy their needs and develop a product roadmap aligned with the requests of the market.



- > PACKAGING
- > FOOD & BEVERAGE
- > PLASTICS & RUBBER
- > LIFE SCIENCE
- > AUTOMOTIVE
- ELECTRONIC SYSTEMS
- TEXTILE MACHINERY
- ASSEMBLY & ROBOTICS
- > PRINTING & PAPER
- > WOODWORKING MACHINERY







### MOTION & CONTROL

Automation integrated with communication systems for constant - even remote - performance control. Complete mechatronic systems that include interconnected diagnostic sensors and components, capable of fulfilling the potential of the industry's main communication protocols.

### SMART AUTOMATION

SMART solutions that can be integrated into complex machinery and systems allowing components to interface and dialogue with each other in order to transmit, receive and reprocess information.

# MINIATURIZATION

Miniaturized solutions, in which the reduction of dimensions enables the combining of functions into more compact systems and provide convenient on-board accessibility. Miniaturization of components encompasses all solutions, in particular, the pilots for solenoid valves.



### ENERGY SAVING

Energy saving systems that combine the reliability and robustness of mechanical components, the precision of integrated electronics, the quality of materials and the study of design, all while eliminating waste and inefficiencies.

# The Camozzi multi-technology approach

PNEUMATIC





ELECTRIC

# PROPORTIONAL



The Camozzi multi-technology approach is to analyze each individual application and develop solutions based on selecting the most appropriate pneumatic, electric or proportional technology. A thorough analysis that requires expertise in product and technology specifications and the functional characteristics of the specific applications required.

### PNEUMATIC

Experience and reliability



### ACTUATORS

VALVES AND SOLENOID VALVES

FILTERS, REGULATORS AND LUBRICATORS

FITTINGS

VACUUM COMPONENTS

WORK UNITS

The ability to combine the dependability of valves, actuators and pneumatic components, with precision control guaranteed by regulators and proportional valves. The speed and precision in positioning of electromechanical cylinders and axes, optimizing each single movement with the performance required by each specific application. This ability represents a competitive advantage that Camozzi Automation is able to offer to its customers.



# PROPORTIONAL Quality and precision



### DIRECTLY OPERATED PROPORTIONAL VALVES

DIGITAL SERVO VALVES

PROPORTIONAL CARTRIDGE VALVES

ELECTRONIC REGULATORS







The range of Camozzi's solutions include linear actuators and grippers, valves and solenoid valves for the control of actuation and the management of different types of fluids; components for air treatment, connections, and vacuum systems. The constant research on mechatronic solutions has led to the integration of sensors and diagnostic systems that are capable of processing information that is linked to the operative parameters of the system.

## ELECTRIC Speed and flexibility





MOTORS AND SERVO MOTORS

ELECTROMECHANICAL CYLINDERS AND AXES

DRIVES

DIGIVES

CONFIGURATION SOFTWARE





The C\_Electrics department develops solutions that include electromechanical cylinders and axes with auxiliary motors and drives. Possessing a broad range of accessory components, the C\_Electrics products can be combined into various configurations providing users with the utmost flexibility. For simplification of installation and maintenance of Camozzi products, Qset has been developed. Qset is an extremely intuitive and efficient configuration software for electromechanical cylinders and axes, capable of identifying the ideal solution for the client, based on the specific requirements of the application in terms of load, speed, and acceleration.

Camozzi Automation

# From product concept to customer satisfaction

The quality of Camozzi's products is inseparably linked to the quality of its corporate productive processes and the skills of its personnel. Beyond standard production, Camozzi has established departments dedicated to the development of specific solutions or skills: from C\_Solutions, dedicated to achieving special solutions, pre-assembled kits, and panels and systems, to C\_Applications, where specialized engineers combine mechanical, electronic, and digital expertise in order to offer specialized integrated solutions.

# Printing & Paper Automotive Electronic Systems



CKAGING ocks Targ lastics & l

ssembly & R







### C\_SOLUTIONS

PRE-ASSEMBLED KITS SPECIAL PRODUCTS CONTROL SYSTEMS AND PANELS

### C\_APPLICATIONS MECHANICS ELECTRONICS SOFTWARE

MAXIMUM FLEXIBILITY IN PROJECT PLANNING AND PRODUCTION

INTEGRATED MANAGEMENT THROUGH ALL PROJECT PHASES



# PRODUCTION Solutions for fluid control for industrial and life science applications



The management of both liquid and gaseous fluids and related technologies demands strict compliance to organizational controls, requiring unique and specific capabilities. The C\_Fluid Control department is equipped to achieve customized solutions with its controlled atmosphere environments, including an ISO 7 cleanroom, and the expertise of technicians specialized in controlling fluids other than air, such as water, oxygen, or nitrogen.







### C\_FLUID CONTROL

### 

MICRO\_CONTROLS GENERAL PURPOSE PROCESS: CONTROL & REGULATION

# 

BIOTECHNOLOGY MEDICAL DEVICES



# PRODUCTION Intelligent Automation



Developing smart products in an intelligent way. At Camozzi, the latest generation of automation provides advantages that are reflected in its production systems which are equipped with the most advanced and innovative technologies, including constant monitoring by means of an integrated information system. The assembly lines are entirely automated and include quality control stations that provide quality checks for every item produced. The robotized cells are equipped with sensors and PLCs that transmit data detected toward the cloud. Afterwards, the production platform, a system created in collaboration with Camozzi Digital, processes information to monitor the efficiency of work processes and suggest corrective actions in real time.

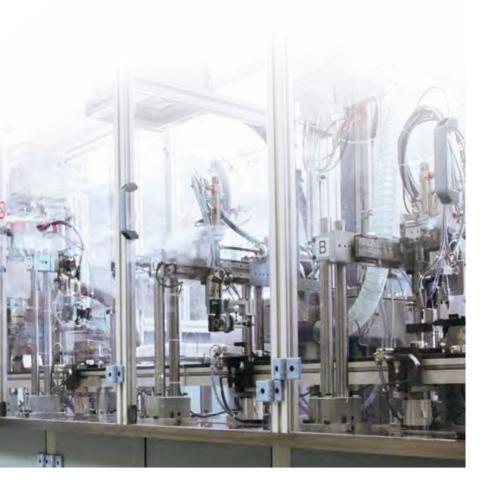
AUTOMATED ASSEMBLY LINES

QUALITY CONTROL INTEGRATED IN EVERY PHASE

HIGH SPEED ANTHROPOMORPHIC ROBOTS

LATEST GENERATION ROBOTS





The potential of human capital is enhanced when it's merged with the implementation of technology allowing operators to physically monitor the most demanding operations, with particular emphasis on the operations with the greatest added value. Based on this consideration, the latest generation of collaborative robots, capable of combining precision and reliability with flexibility, are used in all production sites along with the skills of expert operators.

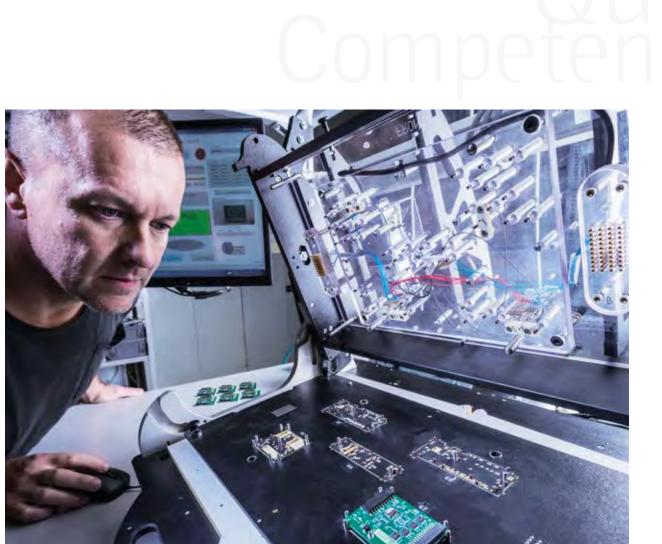


# PRODUCTION Quality born of expertise





The ability to provide high quality solutions is the result of continuous investment in processes, equipment and the development of personnel. Camozzi's Quality Department implements quality management in strict accordance to its ISO 9001, ISO 14001 and ISO/TS certifications, in the pursuance of total quality. Laboratories equipped with cutting edge technologies are capable of performing a variety of specific tests including load tests, mechanical resistance tests with variable pressure, and tests for use in explosive environments. The advancement of a company's business is largely dependent upon the continuous training development of its personnel. It was for this reason that the Competence Centre (C\_Competence) was created, a department with the dedicated purpose of providing continuous training of employees and, in case required, of customers. Training involves the use of internally developed hardware and software tools and teaching materials, allowing for the presentation of specific courses taught both through e-learning platforms and in classrooms.







C\_COMPETENCE TRAINING COURSES DIDACTIC UNITS DIDACTIC SUPPORT









# Camozzi Group. The ability to envision, the capability to achieve



The ability to envision the way of the future is one of the most important considerations in directing the growth and investment plans for all Camozzi Group companies. The active pursuit of Sustainable Development is the real mission of the industry, and in particular, of the Camozzi Group; a goal that inextricably links people with technology and the environment in which we all live.

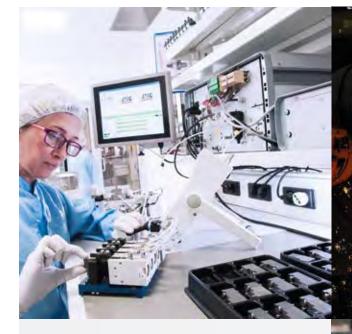
SOCIAL SUSTAINABILITY OF INVESTMENTS

ETHICAL CODE OF CONDUCT

FOR EMPLOYEES

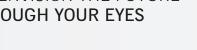
CONTINUOUS INVESTMENTS IN R&D

VALUING HUMAN CAPITAL





# WE ENVISION THE FUTURE THROUGH YOUR EYES



Camozzi Automation in the world

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Camozzi Automation. Continuous Innovation.

**93-1500-0GB016 03/2018** 

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO/TS 16949 =



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